

## ***Conclusions and Next Steps***

**September 21-22, 2005**  
**Rockville, MD**

- **Provide additional background on details of PBMR design and safety case**
- **Discuss in greater detail the issues and pre-application outcome objectives for each focus topic**
- **Identify additional NRC issues that need to be addressed during the pre-application period**
- **Agree on a list of work items that are needed to achieve the outcome objectives for each focus topic during the Phase 2 period**
- **Agree on the Project Management tasks to complete the plan**

## Exelon RAIs - Summary

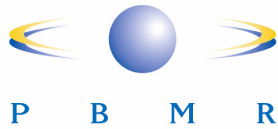
Topic Area	NRC Priority			Totals	PBMR Proposal		
	Cat 1	Cat 2	Cat 2*		Pre-App	App	N/A
1. High Temperature Materials, Graphite	1	45	0	46	1	44	1
2. Control of Chemical Attack	7	29	0	36	18	18	
3. Design Codes and Standards	1	28	1	30	1	29	
4. Design Codes and Standards	3	22	0	25	1	23	1
5. Analytical Codes and Software Control	10	6	2	18	10	8	
6. Core Design and Heat Removal	2	5	65	72	2	70	
7. PBMR Operational Modes and States	2	2	1	5	2	3	
8. PBMR Nuclear Fuel	23	12	0	35	23	12	
9. Fuel Fabrication Quality Control Measures and Performance Monitoring	12	10	0	22	12	10	
10. PBMR Fuel Qualification Test Program	34	26	7	67	34	33	
Total:	95	185	76	356	104	250	2
Licensing Approach	20			20	20		
<b>Totals:</b>	<b>115</b>	<b>185</b>	<b>76</b>	<b>376</b>	<b>124</b>	<b>250</b>	<b>2</b>

Category 1 RAIs are considered relevant to either potential policy issues or significant safety issues or technical issues that are the focus of the PBMR pre-application review.

Category 2 RAIs are considered relevant to safety issues or technical issues for which responses would be required at the time of or before a PBMR license application is submitted.

\* Selected RAIs in Category 2 are considered significant to support the development of the NRC's infrastructure of tools, data and expertise that would be needed to conduct a PBMR license application review. These have been identified with an asterisk.

- **NRC Review of latest material for additional work items**
- **PBMR finalization of outcome objective statements**
- **NRC identification of preparatory education workshop topics/needs**
- **PBMR / NRC development of Pre-Application schedule and resources**
  - Project Management progress discussions
  - Resource Estimates
  - Prioritization of work
  - Plan finalization and agreement



# Preapplication Schedule

